

## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (Currently Amended) An injection device (1) especially for bone cement, comprising:

A) a syringe body (3) with a longitudinal axis (2), a front end (6), a connecting piece (8), disposed at the front end (6) and having a coaxial borehole (21), and a coaxial cavity (4);

B) an injection piston (5), which can be shifted coaxially in the cavity (4);  
and

C) a cannula (13), which can be connected with the connecting piece (8), with a central borehole (14) and rear end (15); wherein

D) the front end (6) of the syringe body (3) has a transition segment (22) with a coaxial borehole (9) with constant diameter, connecting the cavity (4) with the borehole (21) in the connecting piece (8); and wherein

E) the borehole (9) in the transition segment (22) and the central borehole (14) have the same cross-sectional area orthogonal to the longitudinal axis (2) at least at the rear end (15) of the cannula (13);

F) the central borehole (14) of the cannula (13) has a constant cross-sectional area  $q$  in the axial direction; and

G) the cavity (4) has a cross-sectional area Q, which is orthogonal to the longitudinal axis (2) and that the ratio of the cross sectional areas  $q : Q$  is between 0.200 and 0.033

H) the borehole (21) in the connecting piece (8) has an internal thread (10); and

I) the cannula (13), at the rear end (15), comprises an external thread, which is complementary to the internal thread (10).

2. – 8. (Cancelled)

9. (Currently Amended) The injection device (1) of claim 5~~1~~, wherein the diameter of the borehole (9) in the transition segment (22) and the geometry of the internal thread (10) in the connecting piece (8) correspond to those of a luer lock connection.

10. – 16. (Cancelled)